

CLAIMS AS AMENDED JUNE 2005:

What I claim is:

5 1. (Currently Amended) An endless loop belt conveyor system having a pair of generally parallel side walls and joined by a series of spaced apart connector bars to form a rigid frame ~~and having substantially no support rollers carried between the parallel side walls of the frame~~, the parallel side walls of the frame having a distance between them, the conveyor system further comprising:

10 at least one endless loop belt conveyor belt support and guide having a U shaped frame connected to and supported by and below the support and guide; and

15 at least two conveyor belt support and guide mounts, said conveyor belt support and guide mounts designed to be supported in spaced apart relation by a pair of generally parallel side walls of a conveyor frame, any said two or more conveyor belt support and guide mounts supporting said at least one endless loop belt conveyor belt support and guide, and wherein

20 each said endless loop belt conveyor belt support and guide includes a smooth, non-moving upper surface ~~designed to support and guide~~ supporting and guiding an endless loop belt for movement around the conveyor system ~~substantially without support rollers~~.

2. (Original) An endless loop belt conveyor as in claim 1 wherein said endless loop belt conveyor belt support and guide is substantially linear.

5 3. (Original) An endless loop belt conveyor as in claim 1 wherein said endless loop belt conveyor belt support and guide is substantially fiat.

4. (Original) An endless loop belt conveyor as in claim 1 wherein said endless loop belt conveyor belt support and guide includes two or more adjacent belt conveyor belt support and guides.

10 5. (Original) An endless loop belt conveyor as in claim 1 wherein said endless loop belt conveyor belt support and guide has a width dimension, said loop belt conveyor belt support and guide width dimension being less than the distance between a pair of

15 generally parallel side walls of a conveyor frame.

6. (Original) An endless loop belt conveyor as in claim 5 wherein said endless loop belt conveyor belt support and guide is not connected to the pair of generally parallel side walls of a conveyor frame.

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7. (Currently Amended) An endless loop belt conveyor as in claim 1 wherein each said conveyor belt support and guide mount include an upper yoke portion, said upper yoke portion having a width dimension substantially the same as the distance between the pair

of generally parallel side walls of a conveyor frame, said yoke portion ~~designed to be~~
connected to and ~~be~~ supported by such a pair of generally parallel side walls of a
conveyor frame.

- 5 8. (Currently Cancelled)
9. (Currently Amended) An endless loop belt conveyor as in ~~claim 8~~ claim 1 wherein each
said U-shaped frame portion of said conveyor belt support and guide mount includes a
freely rotatable return roller for supporting and guiding the return portion of an endless
10 loop belt.
10. (Original) An endless loop belt conveyor as in claim 1 wherein the rigid frame has a head
portion and a tail portion.
- 15 11. (Currently Amended) An endless loop belt conveyor as in claim 9 wherein ~~when after~~
~~substantially all of the support rollers are removed from the rigid frame~~; motor driven
sprocket roller means is dropped in and attached at the head portion or at the tail portion
of the frame, and idler sprocket roller means is dropped in and attached at the opposed
tail portion or head portion of the frame.
- 20 12. (Currently Amended) A conversion kit for converting a roller conveyor that includes a
frame having two generally parallel side walls ~~and had originally carried a plurality of~~
~~support rollers at spaced apart locations between the parallel side walls~~ into an endless

loop belt conveyor, the frame having a head portion and a tail portion, the kit including:

an endless loop belt conveyor belt support and guide ~~designed to be directly or indirectly~~
supported by a pair of generally parallel side walls of a conveyor frame, the support and
5 guide having a U shaped frame connected to and supported by and below the support and
guide; and

motor driven sprocket roller means ~~designed to be~~ dropped in and attached at the head
portion or at the tail portion of a conveyor frame.

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13. (Original) A conversion kit as in claim 12 wherein said conversion kit includes idler
sprocket roller means designed to be dropped in and attached at the head portion or at the
tail portion of a conveyor frame.

15 14. (Currently Amended) A conversion kit for converting a roller conveyor that includes a
frame having two generally parallel side walls ~~and had originally carried a plurality of~~
~~support rollers at spaced apart locations between the parallel side walls~~ into an endless
loop belt conveyor, the frame having a head portion and a tail portion, the kit comprising:

20 at least one endless loop belt conveyor belt support and guide, the support and guide
having a U-shaped frame connected to and supported by and below the support and guide;
and

at least two conveyor belt support and guide mounts, said conveyor belt support and guide mounts ~~designed to be supported~~ in spaced apart relation by a pair of generally parallel side walls of a conveyor frame, any said two or more conveyor belt support and guide mounts supporting said at least one endless loop belt conveyor belt support and guide, and wherein each said endless loop belt conveyor belt support and guide includes a smooth, non-moving upper surface ~~designed to support and guide~~ supporting and guiding an endless loop belt for movement around the conveyor system ~~substantially without support rollers.~~

15. (Original) A conversion kit as in claim 14 wherein said endless loop belt conveyor belt support and guide is substantially linear and substantially flat.
16. (Original) A conversion kit as in claim 14 wherein said endless loop belt endless loop belt conveyor belt support and guide includes two or more adjacent belt conveyor belt support and guides.
17. (Original) A conversion kit as in claim 14 wherein said conversion kit includes motor driven sprocket roller means designed to be dropped in and attached at the head portion or at the tail portion of a frame.
18. (Original) A conversion kit as in claim 14 wherein said conversion kit includes idler sprocket roller means designed to be dropped in and attached at the head portion or at the tail portion of the frame.

19. (Currently Amended) A conversion kit as in claim 15 wherein said generally parallel side walls of a conveyor frame have a distance between them, and wherein said endless loop belt conveyor belt support and guide has a width dimension, said loop belt conveyor belt support and guide width dimension being less than the distance between a pair of generally parallel side walls of the conveyor frame with which said endless loop belt conveyor belt support and guide is to be associated, and wherein further said endless loop belt conveyor belt support and guide is not ~~designed to be or intended to be~~ connected to ~~the~~ such generally parallel side walls of such a conveyor frame.

20. (Currently Amended) A conversion kit as in claim 14 wherein said generally parallel side walls of a conveyor frame have distance between them, and wherein each said conveyor belt support and guide mount include an upper yoke portion, said upper yoke portion having a width dimension substantially the same as the distance between a pair of generally parallel side walls of a conveyor frame, said yoke portion ~~designed to be~~ connected to and supported by such a pair of generally parallel side walls of a conveyor frame.

21. (Currently Amended) A conversion kit as in claim 14 wherein each said ~~conveyor belt support and guide mount includes a U-shaped frame connected to and supported by said an upper yoke portion, and wherein further each said includes a U-shaped frame portion of said conveyor belt support and guide mount~~ U-shaped frame includes a freely rotatable return roller for supporting and guiding the return portion of an endless loop conveyor belt placed around the conveyor frame.

22. (Currently Amended) A conversion kit as in claim 14 wherein the to-be-converted rigid frame has a head portion and a tail portion, ~~and when after substantially all of the support rollers have been removed from the rigid frame~~ motor driven sprocket roller means is provided with the kit to be dropped in and attached at the head portion or tail portion of the frame and idler sprocket roller means is provided with the kit to be dropped in and attached a the opposed tail portion or head portion of the frame.

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)